

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES 2005/000092

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC 7 : B64C 27/24, 27/02**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC 7 : B64C**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CIBEPAT, EPODOC, WPL, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 2964263 A (ARENA) 13.12.1960. <b>the whole document</b>	7, 15-16, 19 1, 5-6
Y A	US 3490720 A (GIRARD) 20.01.1970. <b>the whole document</b>	7, 15-16, 19 1, 5
A	US 2198941 A (JACOBS) 30.04.1940. <b>the whole document</b>	1, 5-7, 13, 15-16
A	US 3563496 A (ZUCK) 16.02.1971. Column 9, line 56 - column 10, line 35; figures 1-2, 4, 8-9.	1, 7, 15-17
A	US 5405104 A (PANDE) 11.04.1995. <b>the whole document</b>	1, 7, 13, 15, 19
A	US 2002011539 A1 (CARTER, JR.) 31.01.2002.	
A	US 3647315 A (ROSTAD et al.) 07.03.1972.	
A	US 4793572 A (MECCA) 27.12.1988.	
A	US 6234422 A (BOLONKIN) 22.05.2001.	

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

**31 May 2005 (31.05.05)**

Date of mailing of the international search report

**03 June 2005 (03.06.05)**

Name and mailing address of the ISA/

**S.P.T.O.**

Authorized officer

Facsimile No.

Telephone No.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/ES 2005/000092

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 1996750 A (DE LA CIERVA) 09.04.1935.	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/ES 2005/000092

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US2964263 A	13.12.1960	NONE	-----
US3490720 A	20.01.1970	NONE	-----
US2198941 A	30.04.1940	NONE	-----
US3563496 A	16.02.1971	NONE	-----
US5405104 A	11.04.1995	NONE	-----
US 2002011539 A1	31.01.2002	CA 2348217 A1 GB 2362627 AB	22.11.2001 28.11.2001
US3647315 A	07.03.1972	NONE	-----
US 4793572 A	27.12.1988	EP 0339098 A1	02.11.1989
US6234422 B 1	22.05.2001	NONE	-----
US1996750 A	09.04.1935	NONE	-----